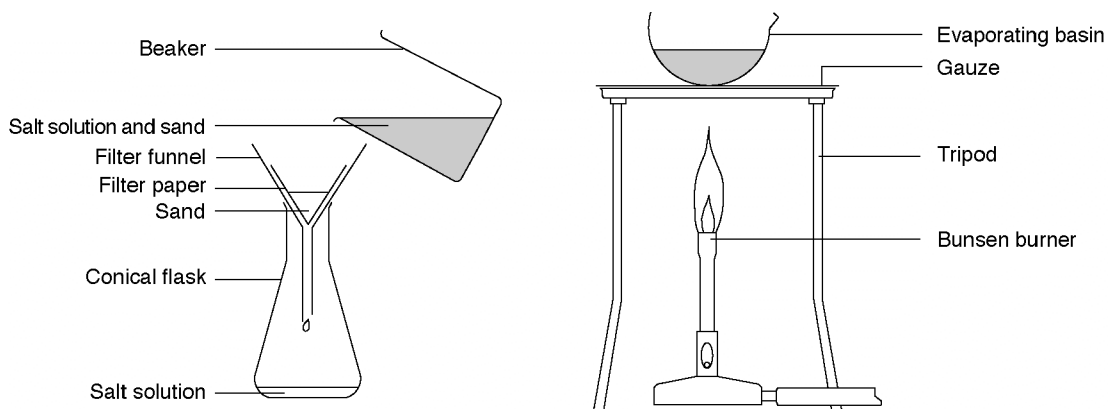


Introduction

In this experiment simple processes are used to separate salt from a sand and salt mixture.



What to do

1. Mix about 5 g of the mixture with 50 cm³ of water in a 250 cm³ beaker. Stir gently.
2. Filter the mixture into a conical flask and pour the filtrate into an evaporating basin.
3. Heat the salt solution gently until it starts to 'spit'. **Care:** do not get too close.
4. Turn off the Bunsen burner and let the damp salt dry.

Safety

Wear eye protection.

Questions

1. Why is the salt, sand and water mixture stirred in step 1?
2. What happens when this mixture is filtered in the step 2?
3. Why is the salt heated in step 3?